	Search Text	DBs
1	(branch adj metric) and complex and (demodulate or de-modulate) and equalize and coefficient and Ungerboeck and Euclidean and partial	USPAT
2	Ungerboeck and Euclidean and partial and complex and equalize	USPAT
3	Ungerboeck and Euclidean and partial and complex	USPAT
4	Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch	USPAT
5	(Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical	USPAT
6	partial adj ungerboeck	USPAT
7	(partial adj ungerboeck) and Euclidean	USPAT
8	Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)	USPAT
9	((partial adj ungerboeck) and Euclidean) and branch and (estimate or estimation)	USPAT
10	(((partial adj ungerboeck) and Euclidean) and branch and (estimate or estimation)) and (equalize or equalizer)	USPAT
11	(((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)	USPAT
12	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and (complex near1 multiply)	USPAT
13	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and (complex near5 multiply)	USPAT

	Search Text	DBs
14	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and (complex near10 multiply)	USPAT
15	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and (complex near20 multiply)	USPAT
16	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and (complex with multiply)	USPAT
17	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and (complex same multiply)	USPAT
18	5440588.pn.	USPAT
19	Ungerboeck and Euclidean and partial and complex and equalizer	USPAT
20	((((Ungerboeck and Euclidean and partial and complex and equalizer and (coefficient or coefficients) and branch and (estimate or estimation)) and hypothetical) and (memory or store or storing)) and complex and multiply	USPAT
21	Ungerboeck and Euclidean and partial	USPAT
22	(((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 estimation)) and (branch adj metric) and complex and (demodulate or de-modulate) and equalize and coefficient and Ungerboeck and Euclidean and partial)	USPAT

	Search Text	DBs
23	((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 estimation)) and (branch adj metric) and complex and (demodulate or de-modulate or receive or receiver or receives or receivers or received or receiving) and (equalize or equalizer or equalizes or equalizing or equalizers) and coefficient and partial and (convolve or convolution or convolves)) and (@ad<19990126 or @prad<19990126 or @rlad<19990126)	USPAT; EPO; JPO; DERWENT; IBM_TDB
24	((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 (estimation or estimate))) and (branch adj metric) and complex and (demodulate or de-modulate or receive or receiver or receives or receivers or received or receiving) and (equalize or equalizer or equalizes or equalizing or equalizers) and coefficient and partial and (convolve or convolution or convolves)) and (@ad<19990126 or @prad<19990126 or @rlad<19990126)	USPAT; EPO; JPO; DERWENT; IBM_TDB
25	((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 (estimation or estimate)) with ((equalize or equalizer or equalizes or equalizing or equalizers))) and (branch adj metric) and complex and (demodulate or de-modulate or receive or receiver or receives or receivers or received or receiving) and coefficient and partial and (convolve or convolution or convolves)) and (@ad<19990126 or @prad<19990126 or @rlad<19990126)	USPAT; EPO; JPO; DERWENT; IBM_TDB
26	5673294.URPN.	USPAT
27	("5081651" | "5146475" | "5204878" | "5251233" | "5272726" | "5272727" | "5285480" | "5303263" | "5325402" | "5353307" | "5479419").PN.	USPAT

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29	(375/224.ccls. or 375/229.ccls. or 375/230.ccls. or 375/231.ccls. or 375/232.ccls. or 375/233.ccls. or 375/235.ccls.) and ((mlse or (maximum near1 (likelihood or likely-hood) near1 sequence near1 estimation)) and (branch adj metric) and complex and (demodulate or de-modulate) and equalize and coefficient and Ungerboeck and Euclidean and partial)	USPAT